**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

<table>
<thead>
<tr>
<th>1. CONTRACT ID CODE</th>
<th>2. AMENDMENT/MODIFICATION NO.</th>
<th>3. EFFECTIVE DATE</th>
<th>4. REQUISITION/PURCHASE REQ. NO.</th>
<th>5. PROJECT NO. (If applicable)</th>
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<td>17SC0001840</td>
<td>0070</td>
<td>See Block 16C</td>
<td>19X</td>
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6. ISSUED BY CODE 00516

U.S. Department of Energy
ORNL Site Office
P.O. Box 2008
Oak Ridge TN 37831

8. NAME AND ADDRESS OF CONTRACTOR

OAK RIDGE ASSOCIATED UNIVERSITIES, INCORPORATED
Attn: Matt Albert
P.O. BOX 117
OAK RIDGE TN 37831

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/OFFER NO.

DE-SC0014664

10B. DATED (SEE ITEM 13)

03/10/2016

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended. ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended , by one of the following methods: (a) By completing Items 8 and 16, and returning __________________________ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

<table>
<thead>
<tr>
<th>Account</th>
<th>Budget Authority</th>
<th>Amount</th>
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<tr>
<td>Net Increase</td>
<td>$1,104,188.98</td>
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See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/OFFERS. IT MODIFIES THE CONTRACT/OFFER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE

☐ A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

☐ B. THE ABOVE NUMBERED CONTRACT/OFFER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).

☐ C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

☐ D. OTHER (Specify type of modification and authority)

X Contract Clause 970.5232-4 Obligation of Funds (DEC 2000) and P.L. 95-91

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to obligate Department of Energy Funding in the amount of $1,104,188.98 TAS: 89 0222. This Modification does not obligate any Non-Appropriated Funding.

Pursuant to paragraph [a] of the contract clause in Section I, DEAR 970.5232-4 Obligation of Funds (DEC 2000), the amount presently obligated by the Government with respect to this contract is $717,699,800.52.

All other terms and conditions remain unchanged.

Continued...

Accordingly, as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remain unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)

Kenneth Lowell Kimbrough

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

15B. CONTRACTOR/OFFEROR

16B. UNITED STATES OF AMERICA

Signature on File

15C. DATE SIGNED 16C. DATE SIGNED

09/29/2017

Signature on File
<table>
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<tr>
<th>ITEM NO.</th>
<th>SUPPLIES/SERVICES</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
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</thead>
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<tr>
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</tbody>
</table>

**Payment:**

OR for Oak Ridge/CSTI  
U.S. Department of Energy  
Oak Ridge Financial Service Center  
P.O. Box 6017  
Oak Ridge TN 37831

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**NSN 7540-01-152-8067**

Optional Form 336 (4-86)  
Sponsored by GSA  
FAR (48 CFR) 53.110